1. Investigation of the causes of the solubility of Iodine in solutions of the various Iodides.

2. The optical activity of the Phenylbrom-acetic Ethers.

3. The optical activity of the salts of Mandelic Acid at high dilutions.

4. The inversion of optical activity of Chlor-phenyl-acetic Acid by means of Potash.

5. The Hydrolysis of Amygdalines.

6. A new form of air Thermometer suitable for use at moderate temperatures (0 to 50 degrees).

7. Determination of the Transformation Point of Hydrated Sodium Sulphate with the above air thermometer; the result obtained being 32.44 degrees. The object of this investigation was to provide a third definitely fixed point of temperature for the testing of thermometers.

8. Determination of the Transformation Point of Hydrated Sodium Sulphate in presence of Sodium Chloride in excess, the value obtained being 17.64 degrees.

9. A chemical study of some of the Eruptive Rocks of Montreal.

10. Investigation of Hornblende from one of the Montreal Teschenites.

11. The application of the Cyanide method to Arsenical Gold Ores.

12. Comparisons of the several modifications of the Chlorination and Bromination Processes as applied to identical lots of Auriferous Concentrates.

13. The Concentration of Molybdenite from Quartz and Granite Rocks.

14. The British Columbia Miner's Inch.

15. Petrography of Mount Johnson.

16. Continuation of Research on the Flow of Rocks.

17. Artesian Borings in the Island of Montreal.

18. Petrography of Rigaud Mountain.

Numbers 1 to 5 were carried out under Dr. Walker, numbers 6, 7 and 8 by Dr. A. P. Saunders, numbers 9 and 10 by Dr. Harrington, numbers 11 to 14 under Dr. Porter, numbers 15 to 17 by Dr. Adams, and number 18 by Mr. O. E. LeRoy.